

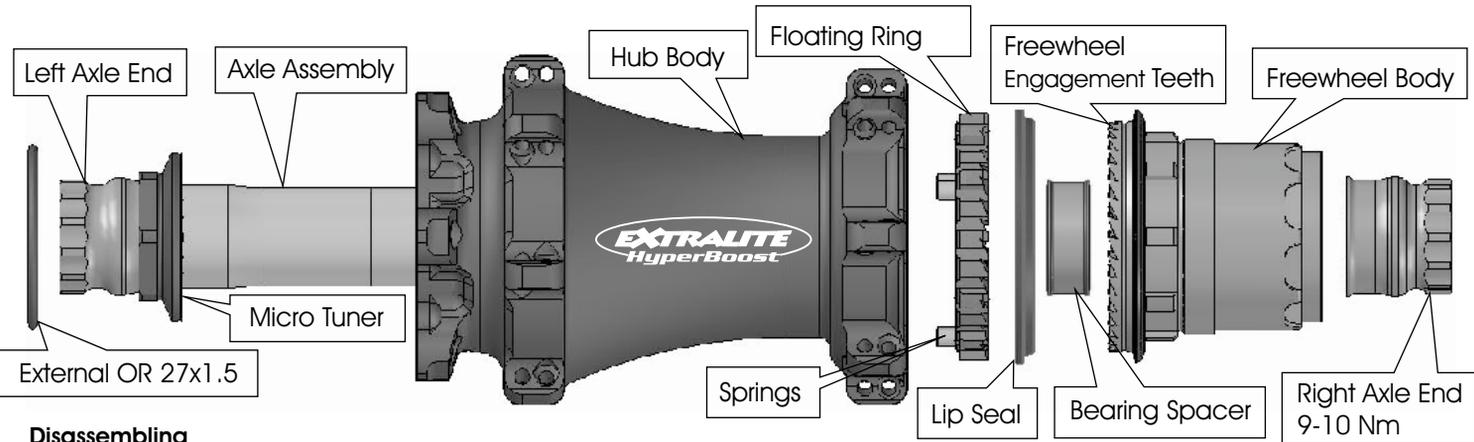
Hyper+ Freewheel Kit - installation manual

Compatible with all HyperHubs (except Version 1)

WARNING: Execute these operations only on a well clean and well illuminated table, you'll have to handle delicate internal parts and tiny springs, even small debris can compromise the freewheel engagement mechanism.

Carefully follow maintenance instructions step by step.

Schedule periodical cleaning and lubrication sessions; water and moisture stagnant inside hub will damage bearings in few weeks.



Disassembling

- 1) Hold Left Axle End with a 17mm closed wrench (5mm hex wrench for 135mm).
- 2) Unscrew Right Axle End with another 17mm closed wrench (5mm hex wrench for 135mm).
- 3) Pull Freewheel Body and remove it.
- 4) Extract Bearing Spacer.
- 5) Remove Lip Seal from Hub Body.
- 6) Remove Floating Ring from Hub Body, you'll find 3 tiny springs on its back side.
- 7) Push out Axle Assembly and completely extract it from disc side.

Cleaning

- 8) Clean all parts (Do not use aggressive solvents).
- 9) Clean very carefully all Internal Splines.

Warning: even one small debris can void freewheel engagement.

Warning: carefully check hubshell Splines (see below).

Hubshell Splines Check - IMPORTANT!

Clean and degrease perfectly hubshell internal splines, all of them.

Check with eye magnifier both the 2 rows of splines (12 + 12T) see image.

Once hub-shell internal is perfectly clean check well with eye magnifier both the 2 rows of splines (12 + 12T) see image. Every spline corners (clockwise corners) should be well square and flat.

Minimum conditions required

Install the Special Floating Ring on an hubshell with at least 12 very good splines (1 row).

In case your hub has 24 used splines and you are not sure about it contact us info@extralite.com providing clear close-up photo.

Potential risk

When riding HyperHubs with dirt inside the hard particles of sand can badly grind the hubshell splines. Shortly the sand wears the hub-shell splines till the "floating ring" will not move freely anymore. This easily causes an uncomplete freewheel engagement and damages permanently the newly installed freewheel parts. In this case replacing "floating ring" and/or "Freewheel body" does not solve. The expensive hub-shell should be replaced (or eventually sent back for re-sharpening).

For more detailed informations check HyperHubs Tips on www.extralite.com

